

A NEW SPECIES OF GENUS DOHRNIPHORA (DIPTERA, PHORIDAE) FROM CHINA

SHEN Jiao-Jiao^{1,2}, LIU Guang-Chun^{1,2*}

1. College of Biological and Environmental Engineering, Shenyang University, Shenyang 110044, China

2. Laboratory of Eco-Remediation and Resource Reuse, Shenyang University, Shenyang 110044, China

Abstract *Dohniphora microspinos* sp. nov. is described and illustrated from Hainan, China. The new species is similar to *D. cornuta* (Bigot), but differs from the latter in having a patch of thin spines beyond the sensory complex on the posterior face of hind femur and having no patch of scattered hairs near the dorsal edge. The type specimen is deposited in the College of Biological and Environmental Engineering, Shenyang University.

Key words Diptera, Phoridae, Dohniphora, new species, China.

The genus *Dohniphora* is one of the largest genera in the family Phoridae with 230 known species around the worldwide (Brown & Kung, 2007). The recent reviews of the Palaearctic fauna (Disney & Michailovskaya, 2000), Australasian and Oriental Regions (Disney, 1990; Green, 1997) have put the genus on a good footing for these areas. Nine species were reported from China mainland (Liu, 2001). Recently we examined the specimens from Hainan and found a new species to science. The type specimen is deposited in the College of Biological and Environmental Engineering, Shenyang University.

Dohniphora microspinos Liu et Shen, sp. nov.
(Figs. 1-5)

Description. Male. Body length 2.70 mm, wing length 2.00-2.03 mm.

Head. Frons 0.33mm wide, dark brown. Lower interfrontal bristles further from each other than either is from a lower fronto-orbital, which is at same level on frons. The former width is a third of the frons. Upper interfrontal bristles from each other as long as either is from an upper fronto-orbital, which is also at same level on frons. Upper interfrontal bristles width is slightly bigger than the lower interfrontals. Third antennal segment yellowish brown, slightly pointed, globose. The dorsal, pre-apical arista is short-haired. Palps yellow, three times longer than wide, with 5 bristles at apex and many ventral hairs. A bristle on cheek and 2 longer one on jowl.

Thorax. Scutum yellowish brown. Scutellum yellowish brown, with 2 bristles and 2 slender hairs. Pleuron yellow. Wing membrane unmarked. Wing length 2.00-2.03 mm, pale brown, vein brown. Costal index 0.5. Costal ratios 6.8 1.8 1.0 Costal cilia 0.03-0.06 mm. A small hair on the base of third vein Rs

present. Halteres yellow.

Legs yellow. Fore tibia with 5 antero-dorsal spines in a row, the uppermost being the longest. Mid coxa with 4-6 bristles at apex. Dorsal palisade of mid tibia extending over 1/2 its length. Basal 1/5 of mid tibia with 2 bristles at each side of palisade. Apical 1/2 of mid tibia with ctenidiums, and 1 long bristles and 4-6 short ones at apex. Hind coxa light yellow. Hind coxal lobe triangular, hairing and slightly pointed at apex. Hind femur yellow, darker at dorsal edge. Basal sensory complex of hind femur with 4-5 spinules, of which proximal 2 bristles relatively strong, apical 2-3 bristles a little smaller and 3 hairs. An area of tuck is under the sensory complex. Beyond sensory complex a large area with thin spines. Posterior face of hind femur without patch of scattered hairs near dorsal edge. Hind tibia without isolated bristles before apex from anterodorsal to anteroventral, but 1 long bristle and 2-3 short ones at apex.

Abdomen. Largely yellow, with hairs at hind margin. Anterior halves of tergites 1, 2 and 6 yellow, the rear pale brown. Anterior halves and center area of tergites 3-5 yellow, the rear pale brown. Tergites 3-5 equal in length. All tergites with sparse hairs. Male terminalia with epandrium and hypandrium dark brown, and tube yellow.

Female: unknown.

Holotype, Jianfeng, Hainan, 18 May 2004, LIU Guang-Chun.

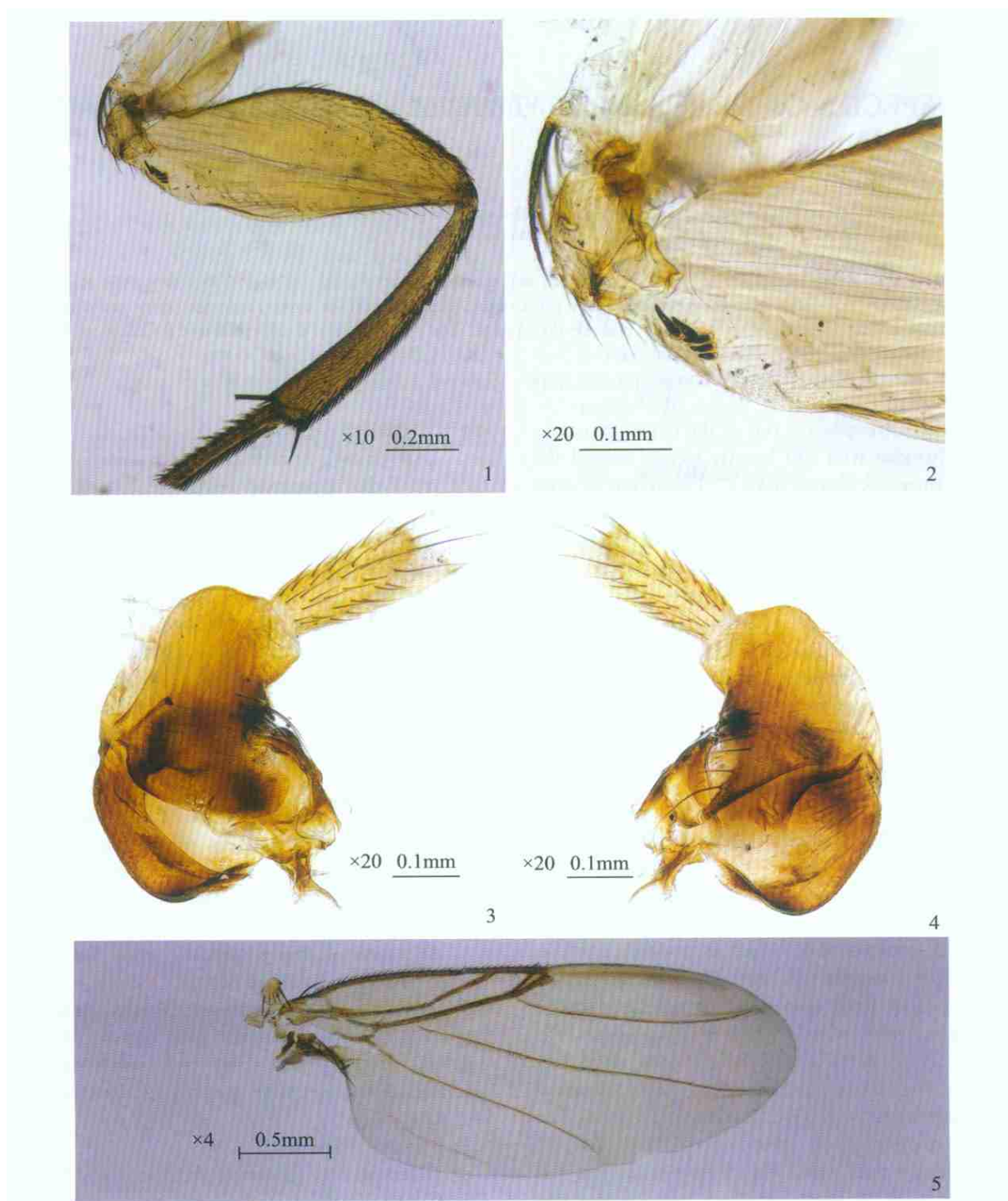
Etymology. The species name refers to the character of thin spines of hind femur.

Remarks. This species is similar to *D. cornuta* (Bigot). But differs from the latter in having a patch of thin spines beyond the sensory complex on the posterior face of hind femur and not having a patch of scattered hairs near the dorsal edge, and the hind coxal lobe

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* Corresponding author; E-mail: liugc@yahoo.cn

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Figs. 1-5 *Dohniphora microspinosa* Liu et Shen, sp. nov. 1-2. Posterior face of base of hind femur. 3. Left epandrium 4. Right epandrium 5. Wing. Scale bars: 1 = 0.2 mm, 2-4 = 0.1 mm, 5 = 0.5 mm.

triangular, hairing and slightly pointed at apex.

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中国栓蚤蝇属（双翅目，蚤蝇科）一新种

沈佼皎^{1,2} 刘广纯^{1,2*}

1. 沈阳大学生物与环境工程学院 沈阳 110044
2. 沈阳大学污染环境的生态修复与资源化技术实验室 沈阳 110044

摘 要 记述了中国栓蚤蝇属 *Dohrniphora* Dahl 1 新种，即微刺栓蚤蝇 *D. microspinosa* Liu et Shen, sp. nov. (图 1~5)。模式标本保存于沈阳大学生物与环境工程学院。

微刺栓蚤蝇，新种 *Dohrniphora microspinosa* Liu et Shen, sp. nov. (图 1~5)

新种与角喙栓蚤蝇 *Dohrniphora cornuta* (Bigot) 相似，但其在后足股节背缘处不具稀疏细毛，在感觉栓的外侧腹缘处具

关键词 双翅目，蚤蝇科，栓蚤蝇属，新种，中国.

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有 1 片分散的微刺，后足基节叶三角形被毛，端部略尖。角喙栓蚤蝇 *D. cornuta* 后足股节背缘处分散着稀疏细毛，而在感觉栓的外侧腹缘处光裸，后足基节叶三角形钝尖，被毛。

正模 ，海南尖峰，海拔 900 m，2004-05-18，刘广纯采。

词源：新种名出自拉丁词 *microspinosa*（微刺的），表示后足股节感觉栓的外侧腹缘处具有微刺。

*通讯作者.